

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/038575

## A. CLASSIFICATION OF SUBJECT MATTER

C09C1/42 D21H19/40 D21H17/68 C08K3/34 C08K9/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C09C D21H C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/164117 A1 (GOLLEY CHRISTOPHER R. L ET AL) 4-September 2003 (2003-09-04)	1-4, 11-16, 43,44, 46,47, 51,52
Y	paragraphs [0003], [0004], [0044], [0052], [0068] - [0072], [0076] - [0090]	34-43, 45,49, 50,53
X	WO 03/022933 A (IMERYS PIGMENTS, INC) 20 March 2003 (2003-03-20)  paragraphs [0003] - [0005], [0037] - [0040], [0045] - [0055], [0058]; claims 5-8,46-48; examples 1-9  -/-	1-4,11, 12, 24-33, 48,51

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

29 March 2006

Date of mailing of the international search report

20/04/2006

Name and mailing address of the ISA

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PCT/US2004/038575

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/091323 A (IMERYS MINERALS LIMITED; AGRA-GUTIERREZ, CESAR; GOODMAN, HOWARD; ANSAR) 6 November 2003 (2003-11-06) page 2, line 15 - line 24 page 5, line 32 - page 8, line 12; claim 1; example 1 -----	34-36, 49
Y	FR 2 651 002 A (ALMA ATINSKY ARKHITEKTURNO STROI) 22 February 1991 (1991-02-22) claim 1; examples 1-9 -----	37-43, 50
Y	WO 98/21158 A (ECC INTERNATIONAL INC) 22 May 1998 (1998-05-22) page 4, lines 30-32; claim 15 -----	45, 53

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/038575

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003164117	A1	04-09-2003	US 2005098283 A1	12-05-2005
WO 03022933	A	20-03-2003	BR 0210811 A	22-06-2004
			CA 2452563 A1	20-03-2003
			CN 1592770 A	09-03-2005
			EP 1425351 A2	09-06-2004
			JP 2005502758 T	27-01-2005
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			CN 1646614 A	27-07-2005
			EP 1497362 A1	19-01-2005
			JP 2005523966 T	11-08-2005
			US 2005239934 A1	27-10-2005
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			DE 3923940 A1	24-01-1991
WO 9821158	A	22-05-1998	AU 5252798 A	03-06-1998
			BR 9712944 A	28-03-2000
			EP 0960078 A1	01-12-1999
			US 5856397 A	05-01-1999

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

FIRST NOTICE INFORMING THE APPLICANT OF  
THE COMMUNICATION OF THE INTERNATIONAL  
APPLICATION (TO DESIGNATED OFFICES WHICH  
DO NOT APPLY THE 30 MONTH TIME LIMIT  
UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

Date of mailing (day/month/year) 23 June 2005 (23.06.2005)		<b>IMPORTANT NOTICE</b>  To: <i>MCB/KMT/KAT/KJM</i>  GARRETT, Arthur, S. Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P. 1300 I Street, N.W. Washington, DC 20005-3315 ETATS-UNIS D'AMERIQUE	
Applicant's or agent's file reference 7811.21-304			
International application No. PCT/US2004/038575	International filing date (day/month/year) 18 November 2004 (18.11.2004)	Priority date (day/month/year) 21 November 2003 (21.11.2003)	
Applicant IMERYS KAOLIN, INC. et al			

1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), does apply, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).

2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, does not apply, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:  
09 June 2005 (09.06.2005)

CH

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, does not apply, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

LU, SE, TZ, UG, ZM

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. **TIME LIMITS** for entry into the national phase

For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of 19 months from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 20 MONTHS from the priority date.

In practice, time limits other than the 20-month time limit will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For regular updates on the applicable time limits (20 or 21 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.

✓  
6/22/05  
*[Signature]*

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No.+41 22 740 14 35	Authorized officer  Ellen Moyse  Facsimile No.+41 22 338 89 75
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